

[illegible]

limited amount of ammonia gas.
In your article that you say
a proper ingredient to put in a
powder?
Ammonia is a proper ingredient in
the decomposition of baking
soda to the question that has
been your opinion that the result
examined on which you have
examined your opinion that alum is
innocuous compounds, in baking
such as you have examined, is
my opinion, based upon actual
test on living animals.

F. CHANDLER, called on be-
half the plaintiff, being duly sworn,
as follows:

Q. Chandler, you reside in the
New York?

are and have been Professor of
in several colleges?
have.
How state how long that employ-
ment has been, and with what
you are now connected?
I am an assistant in the Chem-
Academic Department of
College; the School of Mines,
College of the City of New York;
Physicians and Surgeons, and
College of Pharmacy.
2. are you President, also, of the
Health, are you?
No.
3. your various employments, have
frequent opportunity to examine the
of the abuse of men of food,
beneficial or injurious effects of
men?
I have.
4. will ask you in regard to the use
with acids, in taking powder,
is not it a well established fact

are constituted of alum left
there is an injurious constituent
in the mixture of alum and bicar-
bonate using any nicety of chemis-
try what is your opinion about the
use in a baking powder, in combi-
nation with bicarbonate soda and other
things, for raising bread—whether
it is dangerous to the digest-
ion, and liable to produce serious
effects of the liver in the individual
use of such powders.

DR. LINTON, President of "Stevens
Institute," called in behalf of the
society, being duly sworn, testified
as follows:

I am President of Stevens In-
stitute, and have for many years been a
member of the same.

Q. Have for many years been a
ve. you had occasion to examine
aces which are used in the com-
Baking Powders?
ve. you, some time ago, examine
of Dooley's Baking Powder?
Q. Is it, sir? (handing can).
A. Is that it?
Q. Well, what kind of alum did it
contained potash alum.
Q. You make any extract of that
the kind?
A. I extracted a large quantity
of this alum, and it is in that
which I have now here (showing
it is potash alum which came
from alum Baking Powder that was

"I extracted a large quantity of p-t-a-l-um, and it is in that salt I have now here (showing that it is potash) and I have alum. I have Powder—that was a mistake."

Dr. C. G. Baker said can of Baking Powder is Brine.

"Yes, sir, have you made any experiments in the bread made from Baking Powder? Is it better than any you have in the bread flour?"

"I have. I took a small quantity and mixed it with flour in the proportion, and baked a small loaf; then I took a small loaf—of it—in cold water, and extracted, in which I readily dissolved the water, alum—that is in a soluble condition."

"Is any Baking Powder in which contains salts other, contain alum, or potassium, which can be absorbed through the digestion—are not such

the usual tests, alum—that is, as a soluble substance.

Q. My Baking Powder, in which salts enter, contain alumina, spinell, which can be absorbed through the digestion—are not such salts?

A. I decidedly objectionable, in fact.

Q. Do you say—from what you—say do you make it out—because alum is injurious, alumina is?

A. Cause the injurious effects of when it gets into the stomach—on the organic elements of alumina nuclei in the gastric juices, and reacts in the same manner as if it fact a kind of alum in the case with those acids, and whatever could do, it would do.

W. W. JOHNSON, Professor of Chemistry, in the Scientific School, being duly sworn, testified.

Q. I have had much to do in the use of substances that enter into the adulteration of food?—
A. Yes, sir, the use of alum with soda, in Powder, in your opinion, is there a long question?—
Q. In your opinion, there is an injurious effect?—
A. Yes, sir, two years ago, was the opinion among scientific men, effect of the use of alum in Bakers?—
Q. As far as my acquaintance with men is concerned, my personal knowledge is derived from my investigation reading, and I am inclined to think that alum, or any compound

far as my acquaintance with men is concerned, my personal derivation from my physical reading; I should think the least that I could expect of you, would be decidedly injurious. I understood you to say that King Power in which there are no tails, or any reason, from which could be ascribed in dignifiable and injurious?—
—
GEOFF. H. RAYMOND called, and testified as follows:
—
Would you be good enough to state position?
—
I am a physician, Sir, and a Professor.
—
You also were, and have been for years, Sanitary Superintendent in — is not that so?
—
— Yes, sir.
— Now, sir, I will ask your opinion,

YOUNG.
I also would and have been for
me, Senator. Superfund in
is—not that I will
have, sir.
Now, sir, I seek your opinion,
experience, whether the use of
this soda, in a Baking Powder, is
or not, in its physiological
consider it to be dangerous.
I have examined this question for
of Health in Brooklyn, some
did you not?
I am 36 years ago, sir, in December.
He Cauter.
What was the result of your in-
en as this use of alum in
Powder?
The result of my investigation at
was this, that the change
took place between the time that
Baking Powder was put in the
of the time that the
chemical changes were so little under-

As a result of my investigation at
Bakings was this: that the changes
took place between the time of
Baking Powder was put in the
at the time the bread was eaten,
chemical changes were so little under-
stood by chemists, that as a physician
and biologist, I considered it a dan-
gerous experiment.

When the Government Chemist,
in view of the subject in the Science-
sericum, made a special man-
dation to the Government of Baking
and found it composed of pure
sodium bicarbonate. He also ad-
vised to avoid purchasing
powders as sold loose or in bulk,
and by analyses of many samples
went as far as to advise the most
safe form. The lab-i and trade
are well known and responsible
seller, he is the best pro-
cess public can have.

well known and responsible insurer, he adds, is the best protection public can have.